

**IN THE CLAIMS:**

Please re-write the claims to read as follows:

- 1    1. (Currently Amended) A method for traffic shaping for packet data communications comprising:
  - 3       establishing one or more packet queues, each queue carrying packet traffic for a particular connection having a desired packet transfer rate;
  - 5       directing each incoming packet to the queue assigned to the connection over which the packet is received;
  - 7       providing a frequency for packet transfer, the frequency selected from in a series of frequencies;
  - 9       generating packet transfer rates appropriate for each existing output connection by combining packet transfer frequencies; and
  - 11      transferring a packet from an assigned queue in response to combined transfer frequencies.
- 1    2. (Original) The method of claim 1 wherein said directing step further comprises:
  - 2       receiving said packets by receiving logic.
- 1    3. (Original) The method of claim 1 wherein said providing a frequency step further comprises:
  - 2       generating packet transfer signals by a timing logic circuit.
- 1    4. (Original) The method of claim 1 wherein said transferring a packet step further comprises:

3           transferring by cell transfer logic circuits in response to said combined transfer  
4    frequencies.

1   5.   (Original) The method of claim 1 further comprising:  
2       diverting a packet from an assigned queue in the event that the assigned queue is  
3    filled above a threshold by reception of said packet.

1   6.   (Original) The method of claim 1 further comprising:  
2       inhibiting generation of a packet transfer signal if any higher frequency output is  
3    enabled to generate a packet transfer signal.

1   7.   (Original) The method of claim 1 further comprising:  
2       establishing lists of associations between a timing circuit and packet queues, said  
3    timing circuit enabled to generate packet transfer signals for any queue on its list.

1   8.   (Original) The method of claim 1 further comprising:  
2       generating a phase difference between an outputs from timing circuits for  
3    neighboring frequencies in the series of frequencies.

1   9.   (Original) The method of claim 1 further comprising:  
2       generating each frequency of said series of frequencies so that the frequencies are  
3    represented by  $F/v$ , where  $F$  is a maximum packet transfer rate and  $v$  is an integer value.

1   10.   (Original) A method for operating a switching hub having a switching fabric, at  
2    least one input adapter and at least one output adapter, one or more of said input or output  
3    adapters including a traffic shaping apparatus, comprising:  
4       providing one or more packet queues, each queue carrying packet traffic  
5    for a particular connection having a desired packet transfer rate;

6                   directing each incoming packet to the queue assigned to the connection  
7                   over which the packet is received;  
8                   providing a frequency in a series of frequencies to generate a packet trans-  
9                   fer rate;  
10                  combining said frequency for a plurality of said queues to generate packet  
11                  transfer rates appropriate for each existing connection; and  
12                  transferring a packet from the assigned queue to a given output connection  
13                  in response to combined frequencies appropriate to the given output connection.

1 11. (Currently Amended) A computer readable media, comprising:  
2       said computer readable media containing instructions for execution on a processor  
3       for the practice of  
4       having instructions which a computer responds to for practice of  
5       the methods of claim 1 or claim 10   written thereon.

1 12. (Currently Amended) Electromagnetic signals propagating over a computer net-  
2 work, comprising:  
3       said electromagnetic signals carrying instructions for execution on a processor  
4       a computer responding to said electromagnetic signals for the practice of the methods  
5       method of claim 1 or claim 10.